

Academic Advisory Committee

School of Energy Technology
Pandit Deendayal Energy University

Minutes of meeting of the Academic Advisory Committee meeting of SoET which was held on 23.04.2024 at 11.00 am at Board Room, C Block. The following members attended the meeting.

Prof. Anirbid Sircar, Director, SoET
Dr. Praghresh Bhatt, Dean, SoET
Dr. J G Jamnani, Chairman – BoS of Electrical Engineering Department
Dr. Swapnil Dharaskar, Chairman – BoS of Chemical Engineering Department
Dr. Uttam Bhui, Chairman – BoS of Petroleum Engineering Department
Dr. Satyam Shinde, Chairman – BoS of Physics Department
Dr. Abhijit Ray, Chairman – BoS of Solar Department
Dr. Manoj Pandey, Chairman – BoS of Chemistry Department
Dr. Sachidanand Singh, Chairman – BoS of Biotechnology Department
Dr. Vishvesh Badheka, Invitee, Dean-Academic Affairs, PDEU
Dr. Bhawanisingh Desai, Member of FoET – SoET
Dr. Bhinal Mehta, Member of FoET – SoET
Dr. Manish Sinha, Member of FoET – SoET
Dr. Rohit Srivastava, Member of FoET – SoET
Dr. Rama Gaur, Member of FoET – SoET
Dr. Pankaj Yadav, Member of FoET – SoET
Dr. Vijay Vasudeva, External Member of FoET – SoET – Joined Online
Prof. Ketan Badgujar, External Member of FoET – SoET – Joined Online
Dr. Vijay Shah, External Member of FoET – SoET – Joined Online
Prof. Prafulla K Jha, External Member of FoET – SoET – Joined Online

At the beginning of the meeting, Dr. Praghresh Bhatt, Dean, SoET welcomed and introduced all the members of the Committee. All members are apprised about the different UG, PG and PhD programs offered by SoET in the field of engineering and sciences. Thereafter, the items on the agenda were taken on hand as under:

Agenda Agenda Items

1. ***Brief update by Director-SoET on new curriculum 2024, new infrastructure, research and development in SoET.***

Prof. Anirbid Sircar, Director-SoET apprised all the members about need of revision of Curriculum 2020, factors considered in revising Curriculum and salient points of Curriculum 2024. Prof. Sircar has also informed the members about the best practices followed in Teaching-Learning at SoET. Prof. Sircar has also highlighted the ongoing research activities, various research projects awarded to faculty members by different funding agencies, patents and center of excellence at SoET.

- 2 ***Overview on New Curriculum 2024; for B. Tech./M. Tech./BSc. (Hons)/MSc/ Integrated B.Sc.+M.Sc. Programs offered by SoET.***

Dr. Pragnesh Bhatt, Dean-SoET gave overview of New Curriculum 2024. Guidelines of National Education Policy 2020, Model curriculum of AICTE, and curriculum of premier institutes of country have been referred in proposing new Curriculum 2024. The Curriculum 2024 is focussed on different aspects of Ability Enhancement, Skill Enhancement, Value Addition and Industry Exposure. The major highlights of the proposed **Curriculum-2024 for B. Tech./ M. Tech./BSc. (Hons)/MSc/ Integrated B.Sc.+M.Sc. Programs of SoET** is attached in **Annexure 1.**

- 3 ***To review and approve the MoM of Board of Studies of different departments of SoET.***

3.1. Department of Electrical Engineering

Consideration of making a recommendation to Academic Council with regard to the review of the curriculum in UG & PG programs in Electrical Engineering to be made effective for the students admitted from the academic year 2024-25, as under:

- i. Recommendation for approval of B. Tech. Electrical Engineering Course Curriculum, Teaching & Examination Scheme and Syllabi of 1st – 4th Year for 2024-28, to be made effective for the students admitted in the academic year 2024-25 onwards and D to D students admitted from the academic year 2024-25 onwards (**Annexure 3.1.1**).
- ii. Recommendation for approval of M. Tech. Electrical Engineering (Power Systems) Course Curriculum, Teaching & Examination Scheme and Syllabi of 1st – 2nd Year for 2024-26, to be made effective for the students admitted in the academic year 2024-25 (**Annexure 3.1.2**).

- iii. Recommendation for approval of the courses offered in 3rd – 4th Semester as minor specialization on “Electric Vehicle” to be made effective for the students admitted in the academic year 2023-24 (**Annexure 3.1.3**).
- iv. Minutes of Meeting for BoS-Electrical Engineering is attached in **Annexure 3.1.4** for recommendation for approval

3.2. Department of Chemical Engineering

Consideration of making a recommendation to Academic Council with regard to the review of the curriculum in UG & PG programs in Chemical Engineering to be made effective for the students admitted from the academic year 2024-25, as under:

- i. Recommendation for approval of B. Tech. Chemical Engineering Course Curriculum, Teaching & Examination Scheme and Syllabi of 1st – 4th Year for 2024-28, to be made effective for the students admitted in the academic year 2024-25 onwards and D to D students admitted from the academic year 2024-25 onwards (**Annexure 3.2.1**).
- ii. Recommendation for approval of M. Tech. Chemical Engineering Course Curriculum, Teaching & Examination Scheme and Syllabi of 1st – 2nd Year for 2024-26, to be made effective for the students admitted in the academic year 2024-25 (**Annexure 3.2.2**).
- iii. Minutes of Meeting for BoS-Chemical Engineering is attached in **Annexure 3.2.3** for recommendation for approval

3.3. Department of Petroleum Engineering

Consideration of making a recommendation to Academic Council with regard to the review of the curriculum in UG & PG programs in Petroleum Engineering to be made effective for the students admitted from the academic year 2024-25, as under:

- i. Recommendation for approval of B. Tech. Petroleum Engineering Course Curriculum, Teaching & Examination Scheme and Syllabi of 1st – 4th Year for 2024-28, to be made effective for the students admitted in the academic year 2024-25 onwards and D to D students admitted from the academic year 2024-25 onwards (**Annexure 3.3.1**).
- ii. Recommendation for approval of M. Tech. Petroleum Engineering Course Curriculum, Teaching & Examination Scheme and Syllabi of

1st – 2nd Year for 2024-26, to be made effective for the students admitted in the academic year 2024-25 (**Annexure 3.3.2**).

- iii. Minutes of Meeting for BoS-Petroleum Engineering is attached in **Annexure 3.3.3** for recommendation for approval

3.4. Department of Biotechnology

Consideration of making a recommendation to Academic Council with regard to the review of the curriculum in UG & PhD programs in Biotechnology to be made effective for the students admitted from the academic year 2024-25, as under:

- i. Recommendation for approval of B. Tech. Biotechnology Course Curriculum, Teaching & Examination Scheme and Syllabi of 1st – 4th Year for 2024-28, to be made effective for the students admitted in the academic year 2024-25 onwards and D to D students admitted from the academic year 2024-25 onwards (**Annexure 3.4.1**).
- ii. Recommendation for approval of B. Tech. Biotechnology Course Curriculum, Teaching & Examination Scheme and Syllabi of 2nd – 4th Year for 2023-27, to be made effective for the students admitted in the academic year 2023-24 onwards and D to D students admitted from the academic year 2023-24 onwards (**Annexure 3.4.2**).
- iii. Recommendation and approval for Ph.D. program in Biotechnology. Recommendation for approval of course syllabus offered by Biotechnology department for Ph.D. program from ACY 2024-2025 (**Annexure 3.4.3**).
- iv. Minutes of Meeting for BoS - Biotechnology is attached in **Annexure 3.4.4** for recommendation for approval

3.5. Department of Physics

Consideration of making a recommendation to Academic Council with regard to the review of the curriculum in UG & PhD programs in Physics Department to be made effective for the students admitted from the academic year 2024-25, as under:

- i. Recommendation for approval of B. Sc. Physics (Hons) Course Curriculum, Teaching & Examination Scheme and Syllabi of 1st – 4th Year for 2024-28, to be made effective for the students admitted in the academic year 2024-25 onwards (**Annexure 3.5.1**).

- ii. Recommendation for approval of M. Sc. Physics Course Curriculum, Teaching & Examination Scheme and Syllabi of 1st – 2nd Year for 2024-26, to be made effective for the students admitted in the academic year 2024-25 onwards (**Annexure 3.5.2**).
- iii. Recommendation for approval of Integrated B.Sc. + M. Sc. Physics Course Curriculum, Teaching & Examination Scheme and Syllabi of for 2024-29, to be made effective for the students admitted in the academic year 2024-25 onwards (**Annexure 3.5.3**).
- iv. Minutes of Meeting for BoS – Physics Department is attached in **Annexure 3.5.4** for recommendation for approval

3.6. Department of Chemistry

Consideration of making a recommendation to Academic Council with regard to the review of the curriculum in UG & PhD programs in Chemistry Department to be made effective for the students admitted from the academic year 2024-25, as under:

- i. Recommendation for approval of B. Sc. Chemistry (Hons) Course Curriculum, Teaching & Examination Scheme and Syllabi of 1st – 4th Year for 2024-28, to be made effective for the students admitted in the academic year 2024-25 onwards (**Annexure 3.6.1**).
- ii. Recommendation for approval of M. Sc. Chemistry Course Curriculum, Teaching & Examination Scheme and Syllabi of 1st – 2nd Year for 2024-26, to be made effective for the students admitted in the academic year 2024-25 onwards (**Annexure 3.6.2**).
- iii. Recommendation for approval of Integrated B.Sc. + M. Sc. Chemistry Course Curriculum, Teaching & Examination Scheme and Syllabi of for 2024-29, to be made effective for the students admitted in the academic year 2024-25 onwards (**Annexure 3.6.3**).
- iv. Minutes of Meeting for BoS – Chemistry Department is attached in **Annexure 3.6.4** for recommendation for approval

3.7. Department of Solar

- i. Recommendation for approval of M. Tech. Energy Systems (Focused on Solar Energy) Course Curriculum, Teaching & Examination Scheme and Syllabi of 1st – 2nd Year for 2024-26, to be made

effective for the students admitted in the academic year 2024-25. **(Annexure 3.7.1).**

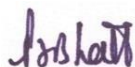
- ii. Recommendation for approval to change the Program name from M. Tech. Energy Systems (Focused on Solar Energy) to M. Tech. Energy Systems (Focused on Solar, EV and Green Hydrogen), to be made effective for the students admitted in the academic year 2025-26.
- iii. Minutes of Meeting for BoS – Solar Department is attached in **Annexure 3.7.2** for recommendation for approval

- 4
 - Recommendation for approval for Teaching & Examination Scheme and Syllabi of the courses to be made effective in B. Tech. 1st Year for the students admitted in the academic year 2024-25 **(Annexure 4.1).**
 - Recommendation for approval for Teaching & Examination Scheme and Syllabi of the common courses to be made effective in M. Tech. 1st -2nd Year for the students admitted in the academic year 2024-25 **(Annexure 4.2).**

5 *Recommendation for approval of the revision in various courses offered different departments of SoET.*

As per the directives from Hon. Director General, the course content of the existing courses are revised by the faculty members of SoET as per the recent trends and industry requirement. The changes are made in different components of syllabus such as course title, course credit, course objectives, course unit content, course outcome etc. The revision of the courses is attached in **Annexure 5** for further approval.

The proposed curriculum 2024 for all programs of SoET was discussed at length and is appreciated by the members. Details course structure, Teaching-Examination Scheme and Syllabus of all programs proposed for Curriculum 2024 as attached in Annexures are recommended for the consideration in Academic Council.



Dr. Praghresh Bhatt

Pandit Deendayal Energy University
Gandhinagar

Agenda for meeting of Academic Advisory Committee

Date: **23.04.2024**

Time: **04.00 – 6.00 p.m.**

Venue: **Conference room, First Floor, C Block, PDEU**

Sr. No.	Name	Sr. No.	Name
1	Prof. Dhaval Pujara (Director SoT)	13	Dr. Debasis Sarkar, Civil
2	Prof. Surendra Singh Kachhwaha (Dean SoT)	14	Dr. Niragi Dave, Civil
3	Dr. Paawan Sharma (Dean, IT)	15	Dr. Amit Kumar , ECE
4	Prof. Vishvesh Badheka (Dean Academic Affairs)	16	Dr. Bhasha Vachharajani, Mathematics
5	Dr. Jatin Patel (HoD, Mechanical Engineering)	17	Shri. Rajiv E
6	Dr. Ganga Prasad Pandey (HoD, ICT & ECE)	18	Dr. Mohanchur Sarkar (Online)
7	Dr. Shakti Mishra (HoD, Computer Science Engineering)	19	Prof. Yogesh Desai (Online)
8	Dr. Poonam Mishra (HoD, Mathematics)	20	Prof. C.Krishna Mohan (Online)
9	Dr. Nishant Doshi , CSE	21	Mr. Raj Rakesh Modi (Online)
10	Dr. Tejas Thakar, Civil	22	Dr. Avnish Kumar Kshatriya (Online)
11	Dr. Anurag Kandya, Civil	23	Mr. Sudip Sengupta (Online)
12	Dr. Rajesh Gujar, Civil	24	Dr. Chintan Patel (Online)

The agenda of the meeting is as under:

<u>Item Nos.</u>	<u>Particulars</u>	<u>Page Nos.</u>
1.	Consideration of confirmation of minutes of the previous meeting (4th) held on 23.08.2023; Response: Resolved that the minutes of the 4 th FoET meeting held on 23.08.2023 be confirmed.	

2. Department of School of Technology

2.1 Department of Civil Engineering (Encl: CIVIL)

Consideration of making a recommendation to Academic Council with regard to the new/review of the curriculum in UG & PG programmes in Civil Engineering to be made effective for the students admitted from the academic year 2024-28, as under:

2.1(i) Introduction of Teaching & Examination Scheme and Syllabi of Semester – I to VIII of the B.Tech. programme in Civil Engineering, to be made effective for the students admitted in the academic year 2024- 25 onwards and D to D students admitted from the academic year 2025- 26 onwards. (Civil/Encl III)

2.1(ii) Introduction of Teaching & Examination Scheme and Syllabi of Semester – I to IV of the **M.Tech. programme in** MTech. Civil (Construction Technology and Management), to be made effective for the students admitted in the academic year 2024-25 onwards. (Civil/Encl IV)

2.1(iii) Introduction of Teaching & Examination Scheme and Syllabi of Semester – I to IV of the **M.Tech. programme in** MTech. Civil (Transportation Engineering), to be made effective for the students admitted in the academic year 2024-25 onwards. (Civil/Encl V)

2.1(iv) Introduction of Teaching & Examination Scheme and Syllabi of Semester – I to IV of the **M.Tech. programme in** MTech. Civil (Environmental Engineering), to be made effective for the students admitted in the academic year 2024-25 onwards. (Civil/Encl VI).

2.2 Department of Computer Science and Engineering (Encl: CSE)

Consideration of making a recommendation to the Academic Council with regard to the new/review of the curriculum in UG & PG programmes in Computer Science & Engineering, to be made effective for the students admitted from the academic year 2024-25 onwards, as under:

2.2(i) Introduction of Teaching & Examination Scheme and Syllabi of Semester – I to VIII of the B.Tech. programme in Computer Engineering, to be made effective for the students admitted in the academic year 2024- 25 onwards and D to D students admitted from the academic year 2025-26 onwards. (CSE/Encl III)

2.2(ii) Consideration of making a recommendation to the Academic Council with regard to offering a new B.Tech. Program in Computer Science & Business Systems with an intake of 60 in collaboration with Tata Consultancy Services (TCS) and to be made effective from the academic year 2024-25 onwards and introduction of teaching and examination scheme and syllabi of semester I to VIII for the same.

2.2(iii) Introduction of Teaching & Examination Scheme and Syllabi of Semester – I to IV of the M.Tech. programme in Data Science, to be made effective for the students admitted in the academic year 2024-25 onwards. (CSE/Encl IV)

2.2(iv) Introduction of Teaching & Examination Scheme and Syllabi of Semester – I to IV of the M.Tech. programme in Cyber Security, to be made

effective for the students admitted in the academic year 2024-25 onwards.
(CSE/Encl V)

2.3 Department of Electronics and Communication Engineering (Encl: ECE)

Consideration of making a recommendation to the Academic Council with regard to the review of the curriculum in UG & PG programmes in Electronics and Communication Engineering, to be made effective for the students admitted from the academic year 2024-25 onwards, as under:

2.3(i) Introduction of Teaching & Examination Scheme and Syllabi of Semester – I to VIII of the B.Tech. programme in Electronics and Communication Engineering, to be made effective for the students admitted in the academic year 2024-25 onwards and D to D students admitted from the academic year 2025-26 onwards. (ECE/Encl IV)

2.3(ii) Introduction of Teaching & Examination Scheme and Syllabi of Semester – I to IV of the M.Tech. program in VLSI Design, to be made effective for the students admitted in the academic year 2024-25 onwards. (ECE/Encl V)

2.4 Department of Information and Communication Technology (Encl: ICT)

Consideration of making a recommendation to the Academic council with regard to the new/review of the curriculum in UG & PG programmes in Information and Communication Technology, to be made effective for the students admitted from the academic year 2024-25 onwards, as under:

2.4(i) Introduction of Teaching & Examination Scheme and Syllabi of Semester – I to VIII of the B.Tech. programme in Information and Communication Technology, to be made effective for the students admitted in the academic year 2024-25 onwards and D to D students admitted from the academic year 2025-26 onwards. (ICT/Encl IV)

2.4(ii) Introduction of Teaching & Examination Scheme and Syllabi of Semester – I to IV of the M.Tech. programme in Artificial Intelligence, to be made effective for the students admitted in the academic year 2024-25 onwards. (ICT/Encl V)

2.5 Department of Mathematics (Encl: Maths)

Consideration of making a recommendation to the Academic Council with regard to the new/review of the curriculum of Mathematics courses in B.Tech./M.Tech. programmes, to be made effective for the students admitted from the academic year 2024-25 onwards:

2.5(i) Consideration of making a recommendation to the Academic Council with regard to offering a new **Integrated B.Sc.-M.Sc. programme in Data Science** in Mathematics with an intake of 30 and to be made effective from the academic year 2024-25 onwards and introduction of teaching and examination scheme and syllabi of semester I to X for the same (Math./Encl I).

2.5(ii) Introducing Industrial Internship to current B.Sc. students during the eighth semester as an option with research dissertation (applicable from academic year 2024-25 and onwards; to the batch 2021 and onwards.)

2.5(iii) Consideration of making a recommendation to the Academic Council with regard to the review of the curriculum in PG programme in M.Sc.-Mathematics and Computing, to be made effective for the students admitted from the academic year 2023-24 onwards(Math./Encl II).

2.5(iv) Recommendation modified and newly proposed syllabus of the course “Essential Mathematics for Artificial Intelligence” for M.Tech. in Artificial Intelligence.

2.5(v) Introducing Industrial Internship to current M.Sc. Mathematics students during the fourth semester as an option with research dissertation (applicable from academic year 2024-25 to the batch 23-24)

2.6 Department of Mechanical Engineering (Encl: Mech)

Consideration of making a recommendation to the Academic Council with regard to the new/review of curriculum in B.Tech in Mechanical Engineering, to be made effective for the students admitted from the AY 2024-25 onwards, as under:

2.6(i) Introduction of Course structure of Semester-I to VIII and Syllabi of Semester – I and II of the UG program in Mechanical Engineering, to be made effective for the students admitted in the AY 2024-25 onwards and D to D students admitted from the AY 2025-26 onwards. (Mech/Encl V)

2.6(ii) Consideration of putting current M.Tech (Thermal Engineering), M.Tech (Design), and M.Tech (Manufacturing) in abeyance from AY 2024-25.

2.6(iii) Consideration of making a recommendation to the Academic Council with regard to offering a new PG Program (M.Tech Mechanical Engineering) with an intake of 36 with eligibility of admission as specified in Encl.-III and course structure and syllabi as specified in (Mech/Encl. IV) to be made effective from the AY 2024-25 onwards.

2.6(iv) Swapping of existing VII semester PCE courses on "Advanced Engine Technologies (22AE401)" and "Heat and Mass Transfer (20AE405)" with PCC courses on "Vehicle Aerodynamics (20AE409)" and "Automobile Electrical and Electronics (20AE401)" respectively.

Resolution: After the presentation by each BoS Chairman, a thorough discussion was done during the Faculty of Engineering and Technology (SoT) meeting. The members gave a few useful suggestions. It was decided to incorporate the same and to forward it to Academic Council for discussion and approval (**Annex I: CSE_ ICT_ ECE and Annex II: Civil_ Maths_ Mech**).

Sd/-

Prof. S S Kachhwaha
Faculty of Technology & Engineering

ACADEMIC ADVISORY COMMITTEE
SoM, PDEU

Meeting Date 30/04/2024

The Program offered and Credit architecture of the program/s, new courses, electives:

Sr. No.	Name of the Programme	Type	Total Credits	Total No. of Courses offered in programme including electives
1	MBA (E&I)	Full Time	91	103
2	MBA (GM)	Full Time	91	103
3	Ph.D.	Full Time	28 (16 + 12)	10
4	Ph.D.	Part Time	12	4

Agenda Note : Academic Advisory Committee

Agenda Point:

To consider approval of Minutes of Meeting:

- (I)** 'Faculty of Management' (FoM) meeting no 16 held on 22 April, 2024.
- (II)** BoS of 'School of Management' (SoM) no 35 held on 22 April, 2024.

School of Management (Pandit Deendayal Energy University)

Course Credit Structure

LTPC- H = Lecture/ Tutorial
(Full Credit - 2) **/ Practical /**
(half Credit - 1) **Credit/ Hours**

- **1 credit = 15 hours of classroom teaching (12 sessions of 75 minutes each)**
- **2 credits = 30 hours of classroom teaching (24 sessions of 75 minutes each)**
- Across 2 years, Total credits for course teaching – 69 credits.
- Total credits for experiential learning – 22 credits.
- Total credits for MBA – 69 + 22 = **91 credits. (instead of 114 currently)**
- For both GM and E&I, to get specialization, **12 credits of Elective courses in Specialization Area** required until Term VI (M/F/HR/OM/BA) + 3 credits of BD = **15 credits**. 02 credits of Core High Domain course can be completed in Term VI.

Agenda Point SoM 2

To consider approval of program structure of MBA 2024-26 batch. [Refer Annexure SoM 3]

The board of studies of 'Faculty of Management has given its approval for new curriculum to be adopted from MBA 2024-26 batch, scheduled to commence in June 2024. The total credits are **91** that include following knowledge areas to be covered-

University Core	SoM Core	Specialization	High Domain Specialization Cross electives	Apprenticeship embedded Internship	Social / Development sector international Immersion	Leadership Development/ beyond class-room	Research centric (IPR/ Technical Project/ Commercial Project/ Status Paper/ Business Dissertation	Contemporary Issues in Management: (NTNC)
2	55	12	2	6	1	5	8	for career development modules

Agenda Note :

Curriculum revision

School of Management, keeping with guidelines had undertaken of comprehensive curriculum revision exercise and has revised 15% of content effective from academic year 2024-25. [\[Refer Annexure SoM 4\]](#)

Course revision example 1

(Marketing Area) [Link](#)

USP of the program/s

Pedagogical Enrichment

- Simulation led course content for effective learning in the area of business analytics (Present) and economics/marketing/finance/operations (in year 2024-25)
- Technical Project is compulsory for all students in Term II
- Commercial project is compulsory for all students in Term III
- IPR / Research paper is compulsory for all students in Term IV
- Business Dissertation is compulsory for all students in Term VI

Experiential / Apprenticeship related learning

- Three months long intense Apprenticeship embedded internship
- Two weeks long social / development sector internship or international immersion for global learning
- Leadership development exercise leading to credits that is based on group performance
- Field immersions and industrial visits

Eminent Lecture Series and Entrepreneurial mentoring

- Constant lectures are delivered by eminent personalities from academics and industries
- Entrepreneurial mentoring and hand holding by business leaders

TERM wise Credits

Term	Core Credits	Specialisation Credits	Open Electives	Pre Foundation	Group Project(Tech and Comm)	Internships (Industrial plus Social/International)	Status Paper	Bus. Diss.	Leadership Development Lab	Total Credits
I	16			2					1	19
II	15				2				1	18
III	15				2				1	18
IV	2	5				6+1			1	15
V	4	5					1		1	11
VI	3	2	2					3		10
Total	55	12	2	2	4	7	1	3	5	91

School of Management, Pandit Deendayal Energy University

[Refer Annexure SoM 4]

Name of PG Program: MBA - Curriculum revision 2024

Term	Course Code	Course Name	Change in the Course Title Yes/No	Change in Total Credit Yes/No	Change in the Teaching-Learning Scheme (L, T, P) Yes/No	Change in Course Objectives? Yes/No	Change in the Course Content (Yes/No)	% Change in Syllabus (Theory)	Change in Course Outcomes? Yes/No	Change in Text/Ref Book? Yes/No	Sr. No.
1	AC-503	Accounting for Managers	NO	YES	YES	NO	YES	15%	NO	NO	1
1	AC-504	Financial Statement Analysis and Reporting	NO	YES	YES	NO	YES	30%	YES	YES	2
1	EL-502	Energy and Infrastructure Sector - Technology and Management Perspective I	YES	YES	YES	NO	YES	50%	YES	NO	3
1	FN-502	Excel Based Business Modelling	NO	YES	YES	NO	YES	42.50%	NO	YES	4
1	GM-501	Business Communication I	NO	YES	YES	NO	YES	10%	YES	YES	5
1	MM-501	Marketing Management I	NO	YES	YES	NO	YES	5%	YES	YES	6
1	OB-503	Organizational Theory & Design	NO	YES	YES	YES	NO	0%	YES	NO	7
1	OM-501	Operations Management I	NO	YES	YES	NO	NO	10%	NO	NO	8
1	QM-501	Quantitative Methods I	NO	YES	YES	NO	NO	2.50%	NO	NO	9
2	GM-505	Environment, Society and Governance	NO	YES	YES	NO	YES	0%	NO	NO	10
2	AC-502	Cost & Management Accounting	NO	YES	YES	NO	YES	20%	YES	NO	11
2	AC-505	Financial Investigation and Forensic Accounting	NO	YES	YES	NO	NO	10%	NO	YES	12
2	EL-503	Energy and Infrastructure Sector - Technology and Management Perspective II	YES	YES	YES	NO	YES	7.50%	NO	NO	13
2	FN-501	Financial Management I	NO	YES	YES	NO	YES	13.75%	YES	NO	14
2	HR-501	Human Resources Management	NO	YES	YES	YES	YES	5%	YES	NO	15
2	IS-501	Management Information Systems	NO	YES	YES	NO	NO	0%	NO	NO	16
2	IS-502	Managerial Computing	NO	YES	YES	NO	NO	0%	NO	NO	17
2	MM-503	Marketing Management II	NO	YES	YES	NO	YES	10%	YES	YES	18
2	QM-502	Quantitative Methods II	NO	YES	YES	NO	NO	5%	NO	NO	19
3	EC-503	Competition and Strategy	YES	YES	YES	YES	YES	46.25%	YES	YES	20
3	EL-501	An Introduction to E & I Sector – A Business Perspective	YES	YES	YES	NO	YES	100%	NO	NO	21
3	FN-503	Financial Management II	NO	YES	YES	NO	YES	5%	NO	NO	22
3	GM-502	Business Communication II	NO	YES	YES	NO	YES	7.50%	YES	YES	23
3	GM-503	Business Research Methods	NO	YES	YES	NO	YES	0%	YES	NO	24
3	MM-504	Marketing Management III	NO	YES	YES	NO	YES	15%	YES	NO	25
3	OB-501	Organizational Behaviour	NO	YES	YES	YES	YES	25%	NO	NO	26
3	OM-502	Operations Management II	NO	YES	YES	NO	NO	17%	NO	NO	27
3	OM-503	Operations Research	NO	YES	YES	NO	NO	65%	NO	NO	28

Name of PG Program: MBA - Curriculum revision 2024

Term	Course Code	Course Name	Change in the Course Title Yes/No	Change in Total Credit Yes/No	Change in the Teaching-Learning Scheme (L, T, P) Yes/No	Change in Course Objectives? Yes/No	Change in the Course Content (Yes/No)	% Change in Syllabus (Theory)	Change in Course Outcomes? Yes/No	Change in Text/Ref Book? Yes/No	Sr. No.
4	BA-600	Introduction to Business Analytics	NO	YES	YES	NO	NO	0%	NO	NO	29
4	BA-602	Data Science using Python	NO	YES	YES	NO	NO	58.75%	NO	NO	30
4	BA-604	Enterprise Systems and IT Strategy	NO	YES	YES	NO	NO	0%	NO	NO	31
4	BA-608	Management Simulation	NO	YES	YES	NO	YES	2.50%	YES	NO	32
4	EI-602	International Maritime Affairs in E&I Sector (O/M)	NO	YES	YES	NO	YES	12.50%	NO	NO	33
4	EI-606	Climate Change and Sustainability (M/F/O)	NO	YES	YES	NO	YES	15%	NO	NO	34
4	FN-602	Energy Trade & Risk Management (F)	NO	YES	YES	NO	YES	7%	NO	YES	35
4	FN-604	Investment Analysis and Portfolio Management	NO	YES	YES	NO	YES	7.50%	YES	NO	36
4	FN-605	Management of Financial Services	NO	NO	YES	NO	YES	17.50%	NO	YES	37
4	FN-611	Project Financing	NO	YES	YES	NO	YES	7.50%	NO	YES	38
4	FN-621	Wealth Management	NO	YES	YES	NO	YES	11.50%	YES	YES	39
4	GM-603	Business Consulting	NO	YES	YES	NO	YES	7.50%	NO	NO	40
4	GM-610	Corporate Strategy	NO	YES	YES	NO	YES	0%	NO	NO	41
4	HR-607	Recruitment & Selection	NO	YES	YES	YES	YES	80%	NO	NO	42
4	HR-612	Industrial Relations & Labour Law	NO	YES	YES	YES	YES	25%	YES	NO	43
4	MIM-601	Brand Management in E&I Sector (M)	NO	YES	YES	NO	YES	16%	YES	YES	44
4	MM-602	Business of Liquefied Natural Gas (M)	NO	YES	YES	NO	YES	17%	YES	YES	45
4	MM-603	Consumer Behaviour	NO	YES	YES	NO	YES	17%	YES	YES	46
4	MM-605	Marketing Research and Information Systems	NO	YES	YES	NO	YES	38%	YES	NO	47
4	MM-608	Business to Business Marketing	NO	YES	YES	NO	YES	22%	YES	YES	48
4	MM-610	Electronic Business	NO	YES	YES	NO	YES	13%	YES	YES	49
4	OB-602	Creativity and Innovation Management	NO	YES	YES	NO	YES	20%	NO	NO	50
4	OM-608	Managing Oil & Gas Contracts (O)	NO	YES	YES	NO	NO	13.30%	NO	NO	51
4	OM-613	Enterprise Systems and IT Strategy	NO	YES	YES	NO	NO	0%	NO	NO	52
4	OM-615	Managing Refineries (O)	NO	YES	YES	NO	NO	20%	NO	NO	53
4	OM-619	Contracts Management	NO	YES	YES	NO	NO	13%	NO	NO	54
4	OM-621	Advanced Supply Chain and Logistics Management	NO	YES	YES	NO	NO	13%	NO	NO	55

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5	BA-601	Big Data Management	NO	YES	YES	NO	NO	0%	NO	NO	56
5	BA-603	Data Visualization Techniques	NO	YES	YES	NO	NO	6.25%	NO	NO	57
5	BA-607	Machine Learning for Business	NO	YES	YES	NO	NO	16.25%	NO	NO	58
5	EC-603	Pricing of Energy Products (F)	NO	YES	YES	NO	YES	7.50%	NO	YES	59
5	EI-603	Power Sector Management (M/F/O)	NO	YES	YES	NO	YES	7.50%	YES	NO	60
5	EI-604	Managing Renewable Energy Business (M/F/O)	NO	YES	YES	NO	YES	5%	YES	NO	61
5	FN-606	Corporate Taxation and Financial Planning	NO	YES	YES	NO	YES	20%	YES	YES	62
5	FN-607	Derivatives & Risk Management	NO	YES	YES	NO	YES	10%	NO	YES	63
5	FN-614	International Finance	NO	YES	YES	NO	YES	5%	NO	YES	64
5	FN-619	Management of Banking Operations	NO	YES	YES	YES	YES	22.50%	YES	YES	65
5	FN-622	Energy Financing (F)	NO	YES	YES	NO	YES	10%	YES	YES	66
5	GM-605	Legal Aspects of Business	NO	YES	YES	NO	YES	25%	NO	NO	67
5	HR-603	Training & Development	NO	YES	YES	YES	YES	10%	YES	NO	68
5	MM-604	Marketing of Petroleum Oil Lubricants (M)	NO	YES	YES	NO	YES	25%	YES	NO	69
5	MM-606	Managing Services Business	NO	YES	YES	NO	YES	15%	YES	NO	70
5	MM-607	Strategic Brand Management	NO	YES	YES	NO	YES	17%	YES	YES	71
5	MM-609	City Gas Distribution Business (M)	NO	YES	YES	NO	YES	19%	YES	YES	72
5	MM-611	Integrated Marketing Communications	NO	YES	YES	NO	YES	12.50%	YES	NO	73
5	MM-614	International Marketing	NO	YES	YES	NO	YES	20%	YES	NO	74
5	MM-615	Retail Management	NO	YES	YES	NO	YES	16%	YES	YES	75
5	OB-601	Managing Cross-Cultural Issues	NO	YES	YES	NO	YES	15%	NO	NO	76
5	OB-606	Leadership Skills	NO	YES	YES	YES	YES	20%	NO	NO	77
5	OM-602	Managing Oil & Gas Business Operations (O)	NO	YES	YES	NO	YES	30%	NO	NO	78
5	OM-604	Project Management	NO	YES	YES	NO	NO	13%	NO	NO	79
5	OM-606	Business Process Re-engineering	NO	YES	YES	NO	NO	8.75%	NO	NO	80
5	OM-614	Lean Six Sigma Management	NO	YES	YES	NO	NO	13%	NO	NO	81
5	OM-616	Technology and Innovations Management	NO	YES	YES	NO	NO	3.75%	NO	NO	82

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6	AC-601	Oil & Gas Accounting & Taxation (F)	NO	YES	YES	NO	NO	0%	NO	NO	83
6	BA-605	Fintech and Block Chain	NO	YES	YES	NO	YES	6.25%	NO	NO	84
6	BA-606	Human Resource Analytics	NO	YES	YES	YES	YES	9%	NO	NO	85
6	BA-609	Marketing Analytics	NO	YES	YES	NO	NO	18.75%	NO	NO	86
6	EC-602	Carbon Finance (F)	NO	YES	YES	NO	YES	7.50%	NO	YES	87
6	EI-601	Enterprise Asset Management (O / A)	YES	YES	YES	NO	YES	10%	YES	NO	88
6	FN-610	Management Control Systems	NO	YES	YES	NO	YES	7.50%	NO	YES	89
6	FN-617	Corporate Restructuring and Business Valuations	NO	YES	YES	NO	YES	12.50%	NO	YES	90
6	FN-620	FinTech and Block Chain	NO	YES	YES	NO	YES	6.25%	NO	NO	91
6	GM-607	Entrepreneurship	NO	YES	YES	NO	YES	12.50%	NO	NO	92
6	GM-608	International Business Management	NO	YES	YES	NO	YES	12.50%	NO	NO	93
6	HR-604	Compensation & Benefits Management	NO	YES	YES	NO	YES	4%	NO	NO	94
6	HR-606	Health, Safety & Environment Management (O/H)	NO	YES	YES	NO	NO	0%	NO	NO	95
6	HR-610	Human Resource Analytics	NO	YES	YES	YES	YES	9%	NO	NO	96
6	MM-612	Strategic Marketing in Practice	NO	YES	YES	NO	YES	30%	YES	YES	97
6	MM-613	Digital Marketing	NO	YES	YES	NO	NO	0%	NO	NO	98
6	MM-616	Sales and Distribution Management	NO	YES	YES	NO	YES	12.50%	YES	YES	99
6	MM-617	Marketing Analytics	NO	YES	YES	NO	YES	18.75%	YES	NO	100
6	OM-610	Operations Strategy	NO	YES	YES	NO	NO	26%	NO	NO	101
6	OM-611 (O)	Supply Chain and Logistics Management in E&I Sector	NO	YES	YES	NO	NO				102
6	OM-617	Total Quality Management	NO	YES	YES	NO	NO	13%	NO	NO	103

Average amendment in curriculum

15%